

**Request for comment: Landsat Data Continuity Mission (LDCM) Application of Goddard Space Flight Center (GSFC) Rules for the Design, Development, Verification and Operation of Flight Systems (GSFC-STD-1000)**

**Date: 5/11/2006**

The LDCM project is soliciting industry input regarding the application of the Goddard Space Flight Center (GSFC) Rules for the Design, Development, Verification and Operation of Flight Systems (hereafter referred to as the GSFC-STD-1000) to the LDCM mission development. GSFC-STD-1000 rules are a high-level subset of all the design rules required for safety and mission success for GSFC space flight products. The LDCM Project Office intends to establish a tailored version of the rules for application to the planned LDCM prime mission contract. The objective of this request for comment is to solicit industry ideas for tailoring the rules to reduce project costs and schedule without significantly impacting mission quality, safety, performance, or risk.

As an initial basis for the tailored set of rules, the LDCM project will be using Revision A of GSFC-STD-1000. GSFC-STD-1000 Revision A can be found for review on the LDCM web site at <http://ldcm.nasa.gov>. Note that there is an upcoming Revision to the document expected in early summer, 2006. The proposed changes are posted on the website in a Word document. The LDCM project is soliciting comments on these proposed changes as well.

A response template is provided on the LDCM web site at <http://ldcm.nasa.gov> as the preferable method to offer input to the project. The template includes a section at the bottom to provide feedback on the proposed changes to the standard. Please provide feedback in the comment column only on any aspect of the rules in GSFC-STD-1000. Responses should be submitted via email, with the subject line of "LDCM GSFC-STD-1000 Application Comments" and attachments should be in Microsoft Excel format using the template provided. Please submit responses by electronic mail to: B. Faye Johnson at [betty.f.johnson@nasa.gov](mailto:betty.f.johnson@nasa.gov) or Patricia Dombrowski at [patricia.m.dombrowski@nasa.gov](mailto:patricia.m.dombrowski@nasa.gov) by May 25, 2006. Technical questions should be directed to: Cynthia Firman at [cynthia.m.firman@nasa.gov](mailto:cynthia.m.firman@nasa.gov).

All inputs received will be considered for inclusion in the tailored set of design rules for LDCM. After completion of the tailoring process, it is the intent of the LDCM project to post the tailored version of the rules to its project website and incorporate the document into the planned prime mission contract RFP.

**Reference Documents**

The following documents referenced in GSFC-STD-1000 can be found at the websites provided below.

- General Environmental Verification Specification (GEVS) for STS and ELV Payloads, Subsystems, and Components, Revision A

<http://msc-docsrv.gsfc.nasa.gov/cmdata/170/STD/GEVS-STD-7000.pdf>

- 500-PG-8700.2.2 GSFC Electronics Design and Development Guidelines  
[http://msc-docsrv.gsfc.nasa.gov/GDMS\\_docs/Pgwi500/500-PG-8700.2.2A.pdf](http://msc-docsrv.gsfc.nasa.gov/GDMS_docs/Pgwi500/500-PG-8700.2.2A.pdf)
- NPR 7150.2 NASA Software Engineering Requirements  
[http://nodis3.gsfc.nasa.gov/displayDir.cfm?Internal\\_ID=N PR 7150 0002  
&page\\_name=main](http://nodis3.gsfc.nasa.gov/displayDir.cfm?Internal_ID=N_PR_7150_0002&page_name=main)
- GPR 8700.5 In-house Development and Maintenance of Software Products  
<http://software.gsfc.nasa.gov/docs/GPR%208700.5A.pdf>
- MSFC-STD-3029 Selection of Metallic Materials for Stress Corrosion Cracking Resistance in Sodium Chloride Environments  
<http://standards.gsfc.nasa.gov/reviews/xxx-011/01-108.pdf>